

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP2005/001565

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F17/60 G05B19/042

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F G05B G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/31717 A (METSO PAPER, INC; LIIRI, SAMI; MAEKI, KARI) 18 April 2002 (2002-04-18) the whole document	1-8 -
A	WO 96/27171 A (UNITED PARCEL SERVICE OF AMERICA, INC) 6 September 1996 (1996-09-06) the whole document	1-8
A	US 6 658 311 B1 (DOBA EIJI) 2 December 2003 (2003-12-02) the whole document	1-8
A	US 6 006 171 A (VINES ET AL) 21 December 1999 (1999-12-21) the whole document	1-8

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

26 July 2005

Date of mailing of the international search report

04/08/2005

Name and mailing address of the ISA

European Patent Office, P.O. 5618 Patentkanal 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
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Authorized officer

MESEGUER MAYORAL, J

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP2005/001565

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 128 245 A (MURATA KIKAI KABUSHIKI KAISHA) 29 August 2001 (2001-08-29) the whole document -----	1-8

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No.

PCT/JP2005/001565

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0231717	A	18-04-2002	FI - 20002233 A AU 9390201 A EP 1325451 A1 WO 0231717 A1 US 2004093102 A1	11-04-2002 22-04-2002 09-07-2003 18-04-2002 13-05-2004
WO 9627171	A	06-09-1996	WO 9627171 A1	06-09-1996
US 6658311	B1	02-12-2003	JP 2000263381 A	26-09-2000
US 6006171	A	21-12-1999	EP 1000426 A1 WO 9905684 A1	17-05-2000 04-02-1999
EP 1128245	A	29-08-2001	JP 2001236109 A EP 1128245 A2 US 2001016848 A1	31-08-2001 29-08-2001 23-08-2001

PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	2419PCT37019
I	Title of Invention	MANAGEMENT METHOD AND SYSTEM FOR DEVICE REQUIRING MAINTENANCE
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD
II-5	Address	1006, Oaza Kadoma, Kadoma-shi, Osaka 5718501 Japan
II-6	State of nationality	JP
II-7	State of residence	JP
II-8	Telephone No.	81-06-6908-1121
II-9	Facsimile No.	81-06-6909-1643
II-11	Applicant's registration No. with the Office	000005821
III-1	Applicant and/or Inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KOBAYASHI, Tokumi
III-1-5	Address	
III-1-6	State of nationality	
III-1-7	State of residence	

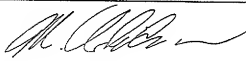
PCT REQUEST

Original (for SUBMISSION)

IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	ISHIHARA, Masaru
IV-1-2	Address	5th Floor, Tatsuno Nishi-tenma Bldg., 1-6, Nishi-tenma 3-chome, Kita-ku, Osaka-shi, Osaka 5300047 Japan
IV-1-3	Telephone No.	81-06-6367-6620
IV-1-4	Facsimile No.	81-06-6367-6625
IV-1-6	Agent's registration No.	100080827
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	27 January 2004 (27.01.2004)
VI-1-2	Number	2004-018117
VI-1-3	Country	JP
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)

PCT REQUEST

Original (for SUBMISSION)

VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description	13	-
IX-3	Claims	3	-
IX-4	Abstract	1	✓
IX-5	Drawings	5	-
IX-7	TOTAL	26	
	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the International application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	ISHIHARA, Masaru	
X-1-2	Name of signatory		
X-1-3	Capacity		

PCT REQUEST

Original (for SUBMISSION)

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To:

ISHIHARA, Masaru
5th Floor
Tatsuno Nishi-tenma Bldg.
1-6, Nishi-tenma 3-chome
Kita-ku, Osaka-shi
Osaka 530047
JAPON

Date of mailing (day/month/year) 15 April 2005 (15.04.2005)	
Applicant's or agent's file reference 2419PCT37019	IMPORTANT NOTIFICATION
International application No. PCT/JP05/001565	International filing date (day/month/year) 27 January 2005 (27.01.2005)
International publication date (day/month/year)	Priority date (day/month/year) 27 January 2004 (27.01.2004)
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD et al	

1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
3. (If applicable) An asterisk (*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as the priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
27 January 2004 (27.01.2004)	2004-018117	JP	17 March 2005 (17.03.2005)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Abdou Farid
Facsimile No. +41 22 740 14 35	Facsimile No. +41 22 338 70 10 Telephone No. +41 22 338 8169

From the INTERNATIONAL BUREAU

PCT

**SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))**

(PCT Rule 47.1(c))

To:

ISHIHARA, Masaru
5th Floor
Tatsuno Nishi-tenma Bldg.
1-6, Nishi-tenma 3-chome
Kita-ku, Osaka-shi
Osaka 5300047
JAPON

Date of mailing (day/month/year)
01 June 2006 (01.06.2006)

Applicant's or agent's file reference
2419PCT37019

IMPORTANT NOTICE

International application No.
PCT/JP2005/001565

International filing date (day/month/year)
27 January 2005 (27.01.2005)

Priority date (day/month/year)
27 January 2004 (27.01.2004)

Applicant

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD et al

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does not apply, please see Form PC71B/308(First Notice) issued previously.
2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
04 August 2005 (04.08.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, PG, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PH, PL,
PT, RO, SC, SD, SG, SK, SL, SM, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. **TIME LIMITS** for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For regular updates on the applicable time limits (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda